

GFR $\alpha$ 1-RET SPECIFIC AGONISTS AND METHODS THEREFORAbstract of the Disclosure

Chimeric GDNF family ligands which activate a GFR $\alpha$ /RET are disclosed. Included  
5 are chimeras which activate GFR $\alpha$ 1/RET but do not activate GFR $\alpha$ 2-RET or GFR $\alpha$ 3-RET.  
The chimeras are useful in providing trophic support to a mammalian cell or in producing  
differentiation of a mammalian cell, or both, particularly when the cell is in a patient suffering  
from various diseases, in particular Parkinson's Disease.